

Name: _____ Date: _____ Period: _____

Unit 2 Study Guide

Patterns and Functions
Definitions and give examples.
Function:
Independent Variable:
Dependent Variable:
Domain:
Range:
Function Rule:
Steps to write a Function Rule:

Distance Formula	
Formula:	
a)	b)
c)	d)

Midpoint Formula:

Example:

Pythagoras and the Theorem

Formula:

Describe the Pythagorean theorem in complete sentences.

What did Pythagoras do with the tiles in the video?

What were some key elements of Pythagoras' life?

Determining if three sides create a right triangle:

Find the missing side:

Pythagorean Theorem Word Problems

Step 1:

Step 2:

Step 3:

Step 4:

Algebra 1A

Study Tips Checklist: Unit Two

___ **Required:** Complete **two sections** of practice problems from the book

___ **Required:** Complete the **Practice Test** in its entirety. This is very similar to the actual test.

___ Re-read the **Study Guide** with the intention of memorizing the steps, definitions, equations and formulas.

___ Attend **tutorial**. You must sign-up in advance.

___ Email your teacher with any questions, to check your answers, or to request more practice!

___ REDO problems from the Practice Test you did not answer correctly the first time.

___ REDO problems from the unit Quizzes.

Patterns and Functions Quiz:_____

Square Roots, Distance Quiz:_____

Pythagorean Theorem Quiz:_____

Complete more problems with concepts you need to practice:

	Lesson and Quick Check Problems	Questions
Patterns and Functions	Pages 27 - 29 Page 27 QC #1 Page 28 QC #2 (a -c) Page 28 QC #3 Page 29 QC #4 <i>Answers: Page 843</i>	
Square Roots	Pages 176 – 178 Page 176 QC #1 (a – d) Page 177 QC #2 (a – d) Page 177 QC #3 Page 177 QC #4 Page 178 QC #5 <i>Answers: Page 846</i>	

Coordinate Plane Review	<p>Pages 24- 25</p> <p>Exercises 1 – 12</p> <p><i>Answers not in back of book. Check with your teacher</i></p>	
Distance Formula	<p>Page 186</p> <p>Description above #50</p> <p>Exercises 50 – 55</p> <p><i>Answers not in back of book. Check with your teacher</i></p>	
Pythagorean Theorem	<p>Pages 181 – 184</p> <p>Page 182 QC #1</p> <p>Page 182 QC #2</p> <p>Page 183 QC #3</p> <p>Page 184 QC #4</p> <p><i>Answers: Page 846</i></p>	